

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for predicting a future quality of a communication channel comprising:

receiving a downlink data communication;

performing at least one current quality measurement on ~~said the~~ downlink data communication to determine the current quality of ~~said the~~ downlink data channel;

deriving, based on ~~said the~~ current quality, a predictive channel quality indication (CQI) estimating the future quality of ~~said the~~ downlink data channel on a per time slot basis; and

transmitting ~~said the~~ predictive CQI, wherein ~~said the~~ predictive CQI includes at least one of a recommended transport block size, modulation format, or number of codes.

2. (Currently Amended) The method of claim 1, further including storing ~~said the~~ at least one current quality measurement.

3. (Currently Amended) The method of claim 2, wherein ~~said deriving the predictive CQI step further~~ includes retrieving at least one stored quality measurement and utilizing ~~said the~~ at least one stored quality measurement and ~~said the~~ at least one current quality measurement to derive ~~said predictive CQI~~.

4. (Currently Amended) The method of claim 1, further including storing ~~said~~ the predictive CQI.

5. (Currently Amended) The method of claim 1, wherein ~~said~~ deriving ~~step~~ the predictive CQI utilizes a linear predictive algorithm ~~to derive said~~ predictive CQI.

6. – 11. Canceled.

12. (Currently Amended) A method for providing predictive channel quality measurements of a downlink communication channel comprising:

monitoring said downlink communication channel;

performing at least one current quality measurement on ~~said~~ the downlink data communication channel to determine the current quality of ~~said~~ the downlink data channel;

deriving, based on ~~said~~ the performing at least one current quality measurement (CQI) step, a prediction of the future quality of the downlink data communication channel on a per time slot basis; and

transmitting ~~said~~ the prediction, wherein ~~said~~ the prediction represents at least one of a recommended transport block size, modulation format, or number of codes.

13. (Currently Amended) The method of claim 12, further including storing ~~said~~ the at least one current quality measurement.

14. (Currently Amended) The method of claim 13, wherein ~~said~~ deriving ~~step~~ the prediction further includes retrieving at least one stored quality measurement and utilizing ~~said~~ the at least one stored quality measurement and ~~said~~ the at least one current quality measurement ~~to derive said prediction.~~

15. (Currently Amended) The method of claim 12, further including storing ~~said~~ the prediction.

16. (Currently Amended) The method of claim 12, wherein ~~said~~ the deriving ~~step~~ a prediction utilizes a linear predictive algorithm ~~to derive said prediction.~~

17. – 31. Canceled.

32. (Currently Amended) A method for predicting a future quality of a communication channel comprising:

receiving a downlink data communication;

receiving a said pilot channel communication;

performing at least one current quality measurement on ~~said~~ the downlink data communication and ~~said~~ the pilot channel communication to determine the current quality of ~~said~~ the downlink data channel;

deriving, based on ~~said~~ the performing at least one current quality measurement step, a predictive channel quality indication (CQI) estimates the future quality of ~~said~~ the downlink data channel on a per time slot basis; and

transmitting ~~said~~ the predictive CQI, wherein ~~said~~ the predictive CQI includes at least one of a recommended transport block size, modulation format, or

number of codes.

33. (Currently Amended) The method of claim 32, further including storing ~~said~~ the at least one current quality measurement.

34. (Currently Amended) The method of claim 33, wherein ~~said~~ the deriving step a predictive CQI further includes retrieving at least one stored quality measurement and utilizing ~~said~~ the at least one stored quality measurement and ~~said~~ the at least one current quality measurement ~~to derive said predictive CQI.~~

35. (Currently Amended) The method of claim 32, further including storing ~~said~~ the predictive CQI.

36. (Currently Amended) The method of claim 32, wherein ~~said~~ the deriving step a predictive CQI utilizes a linear predictive algorithm ~~to derive said predictive CQI.~~

37. – 39. Canceled.